

<p>86-205494/32 A96 B04 BOEF 29.01.85 BOEHRINGER MANNHEIM GMBH *DE 3502-878-A 29.01.85-DE-502878 (31.07.86) C12a-01/56 Determn. of fibrinolysis in blood plasma - by turbidimetric or colorimetric method, can assess thrombosis risk CB6-088303</p>	<p>A(12-V3C2) B(4-B2C3, 4-B4D2, 4-B4D3, 4-B4D4, 4-C1A, 7-D3, 12-K4A) 7</p>
<p>The fibrinolytic state of blood plasma is determined by either: (a) adding fibrin, or generating it in situ, in an amt. sufficient to cause turbidity and measuring the turbidity or the resulting fibrin cleavage prod.; or (b) adding a chromogenic plasmin substrate together with fibrin, fibrinogen cleavage prods. or a fibrin-generating enzyme in an amt. insufficient to cause turbidity and measuring the colour.</p> <p><u>USE</u> The test is useful for assessing risk of thrombosis.</p> <p><u>ADVANTAGE</u> The method is rapid, reliably reflects the fibrinolytic state in vivo, is readily automated and can be evaluated photometrically.</p>	<p><u>MORE SPECIFICALLY</u> A plasminogen activator, esp. EPA, urokinase or streptokinase, may also be added. Fibrin may be generated in situ by adding thrombin or a thrombin-like enzyme, e.g. batroxobin or arvin. Fibrinogen cleavage prods. obtained by treating fibrinogen with CNBr may be used. The chromogenic plasmin substrate is esp. Tos-Gly-Pro-Lys -p-nitroaniline.</p> <p><u>ALSO CLAIMED</u> Reagents for determining the fibrinolytic state of plasma comprising: (a) a plasminogen activator, thrombin or a thrombin-like enzyme, and a buffer, or (b) a plasminogen activator and fibrinogen cleavage prods. or fibrin monomer. The reagent may also contain polyethylene glycol, a nonionic surfactant and/or bovine serum albumin.</p> <p><u>EXAMPLE</u> A plasma sample (0.05 ml) is mixed at 25° C with 1 ml of DE3502878-A.</p>

a reagent comprising 0.1M Tris-HCl (pH 7.5), 2% PEG 6000, 0.1% Tween 80, 1% BSA, 0.02 U/ml batroxobin and 0.01-10 ng/ml EPA. A photometer is used to record the change in extinction at 334 nm.

The time taken to reach the turbidity max., or the time from the start of the max. to a 100 mU drop in extinction, is compared with a calibration curve. (17pp367DAHDwgNo0/1).

DE3502878-A

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